

The Odisha Gazette

**EXTRAORDINARY
PUBLISHED BY AUTHORITY**

No.706, CUTTACK, FRIDAY, MARCH 22, 2024/ CHAITRA 2, 1946

DEPARTMENT OF WATER RESOURCES

NOTIFICATION

The 19th March, 2024

No.8515—WR-LI-SCH-0002/2022/WR.— Recognizing the critical need for efficient water resource management, the Government has embarked on establishing the State Water Informatics Centre (SWIC) in Odisha. This initiative aims to optimize water information management processes and/ bolster decision-making capabilities across the state.

1. In alignment with Department Resolution No: 7666, dated the 13th March 2024, the Government is pleased to announce the formal establishment of the State Water Informatics Centre (SWIC), Odisha.
2. SWIC, Odisha, is envisaged as a IT enabled state-of-the art platform tasked with aggregating, curating, and standardizing micro-level hydro-meteorological data sourced from diverse water sector entities, including governmental agencies. It will operate as a centralized repository, facilitating seamless data access, analysis, and sharing with the National Water Informatics Centre (NWIC). Furthermore, SWIC, Odisha will actively disseminate water-related intelligence to stakeholders via various channels, including reports, publications, and online platforms.
3. The Department of Water Resources, Odisha, will spearhead the operations of SWIC, Odisha. The Director, SWIC, Odisha who concurrently holds the position of Chief Engineer & Director, Ground Water Development, Odisha cum Nodal Officer under the National Hydrology Project (NHP), will assume leadership responsibilities. Director, SWIC, Odisha will make one Standard Operating Procedure (SOP) for day-to-day operations of SWIC-Odisha which will be communicated to all concerned authorities and stakeholders for implementation and necessary action.

4. To ensure seamless functioning and collaboration, a comprehensive memorandum of agreement (MoA) will be executed between SWIC-Odisha & NWIC, delineating mutual obligations and operational frameworks.
5. SWIC, Odisha will benefit from technical guidance and support from NWIC, particularly in the realms of data management and information technology infrastructure. Operational headquarters for SWIC will be situated at the 2nd Floor of HP Building, Unit-VIII, Delta Square, Bhubaneswar, Odisha. Close coordination with the State Hydrological Data Centre (SHDC) at Rajiv Bhawan will be maintained to streamline data integration efforts along with Research & Development activities in the field of hydro-meteorology.
6. SWIC, Odisha will serve as a primary source of comprehensive hydro-meteorological data, encompassing critical parameters such as groundwater levels, surface water availability, water quality metrics, and demand-supply dynamics. Additionally, SWIC's predictive modeling capabilities will bolster disaster preparedness efforts, particularly through advanced flood forecasting techniques.
7. Human resources for SWIC, Odisha will comprise dedicated officers from the lead department, supplemented by outsourced consultants specializing in Information Technology, Procurement, Hydrometry, Groundwater analysis, and Remote Sensing & GIS. This strategic augmentation ensures a robust technical foundation for SWIC's operations.
8. SWIC's effectiveness hinges upon collaborative engagements with domain experts from various governmental departments, including the Odisha Computer Application Center (OCAC), Odisha Space Application Centre (ORSAC), Agriculture & Farmer's Empowerment, State Pollution Control Board, Panchayati Raj & Drinking Water, Rural Development & Energy Department. These partnerships facilitate data sharing and validation, thereby enhancing the reliability and utility of SWIC's outputs:
9. Detailed organogram, delineating hierarchical structures, work responsibilities, and accountability matrices, is provided in **Annexure-1 & 2**, respectively. This ensures organizational clarity and streamlined operational workflows.
10. SWIC in Odisha will operate within the framework of the National Hydrology Project (NHP) until the conclusion of the project period, aligning its objectives with broader national water management initiatives. The

Department of Water Resources, Government of Odisha there after shall allocate the necessary budgetary provisions for the establishment and functioning of the SWIC, in accordance with the approved proposal and prevailing financial regulations.

11. Procurement of Equipment, Software and technologies required for the functioning of the SWIC, Odisha will be procured as per requirement.

12. Regular monitoring and evaluation mechanisms shall be put in place to assess the performance, effectiveness, and impact of the SWIC's activities, with periodic reports submitted to the lead department for review and guidance.

13. The establishment of SWIC, Odisha has received concurrence from the Finance Department, Government of Odisha by noting 82 of the OSWAS file WR-LI-SCH0002-2022, and has obtained the governmental approval.

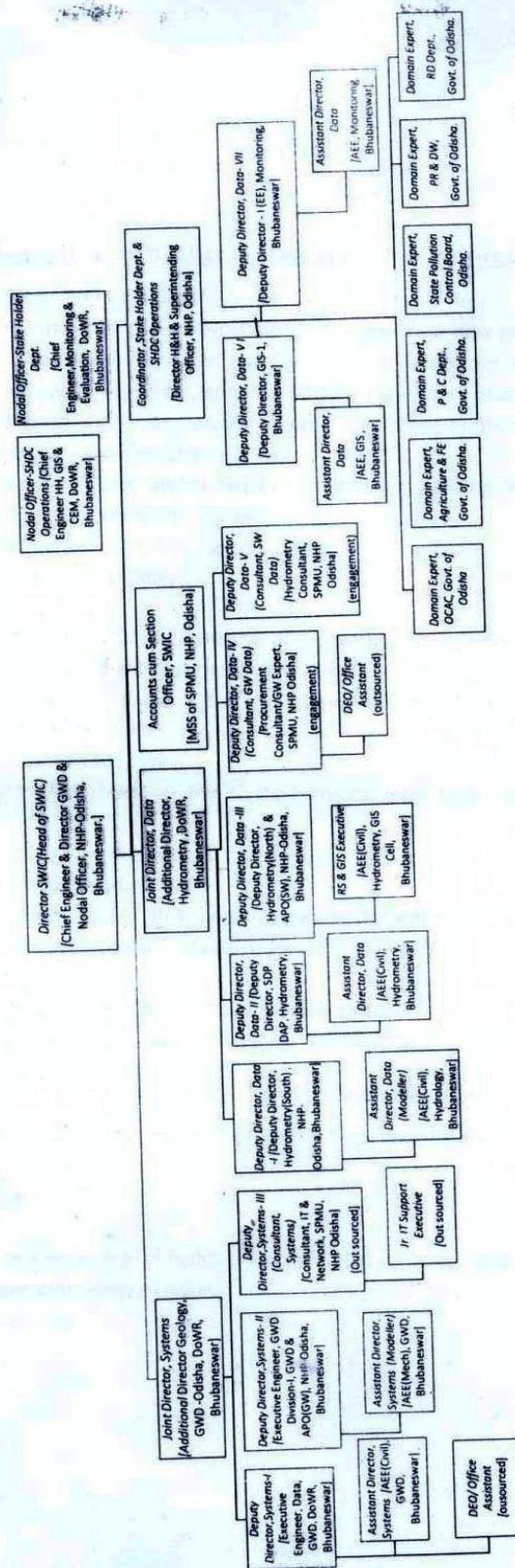
This notification shall come into effect from the date of its issuance.

By order of the Governor

ANU GARG

Additional Chief Secretary to Government

ORGANOGRAM **STATE WATER INFORMATICS CENTRE (SWIC) - ODISHA**



Work responsibilities and accountability in State Water Informatics Centre (SWIC) in Odisha

1. Roles & Responsibilities of SWIC-Odisha:

- Collect available data from domain-specific bodies, generate new databases, organize them in standardized GIS format, and provide scalable web-enabled information systems.
- Maintain, validate, update, collate, and disseminate water data and information.
- Share hydro-meteorological data among central and other state government organizations, stakeholders of water, and the general public.
- Provide tools to create value-added maps by multi-layer stacking of GIS databases to offer an integrated view of water resources scenarios.
- Develop applications and decision support systems.

2. Work Responsibilities & Accountability:

A. Director, SWIC: -

- Ensure the functionality of SWIC, Odisha aligns with NWIC guidelines and obtain necessary budgetary support from the Department of Water Resources.
- Accountable to the Additional Chief Secretary/Principal Secretary to the Government, Department of Water Resources, Odisha.

B. Nodal Officer-SHDC Operations, SWIC: -

- Responsible for technical operations of State Hydrological Data Centre (SHDC) as per NWIC Guidelines.
- Accountable to the Director-SWIC.

C. Nodal Officer-Stakeholder Dept., SWIC: -

- Coordinate with State Water Resources/Irrigation Departments/Other line Departments for obtaining hydro-meteorological data as required by NWIC.—
- Report to Director-SWIC.

D. Coordinator — Stakeholder Dept. & SHDC Operations, SWIC: -

- Responsible for generating different scenarios for immediate dissemination of information.

- Support the Nodal Officers.

E. Joint Directors: -

- Responsible for the development, real-time updating, and maintenance of data repository on all water sources in the state.
- Report to Director, SWIC.

F. Deputy Directors:

- Responsible for maintenance of hydro-meteorological database and specialized works related to GIS applications and remote sensing.
- Report to Joint Director.

G. System Consultants and Data Consultants: -

- Responsible for providing strategic IT-enabled advice, installation, maintenance of data servers, and data analysis.
- Accountable to Joint Director, Additional Director & Director, SWIC.

H. Assistant Directors, Assistant Directors (Modeller), and RS & GIS**Executive: -**

- Support their respective wings by running different scenarios, modeling, and developing programs.
- Accountable to Additional Director & Deputy Director Systems.

I. Accounts cum Section Officer, SWIC: -

- Handle administrative & accounts-related work.
- Accountable to Joint Director & Director, SWIC.

J. Junior IT Support Executives: -

- Develop and maintain software applications and provide assistance to Deputy Director-System
- Accountable to Deputy Director, Systems.

K. DEO/Office Assistant: -

- Provide official support & assistance to SWIC team.
- Report to Joint Director, SWIC.

L. Domain Expert-Stakeholder Dept: -

- Share expertise through discussion and evaluation.
- Accountable to Director, SWIC & Nodal officer, Stakeholder Department & Nodal Officer, SHDC.

These aim to clarify roles, streamline responsibilities, and enhance accountability within SWIC Odisha, ensuring efficient functioning and better service delivery.